

Figure 1

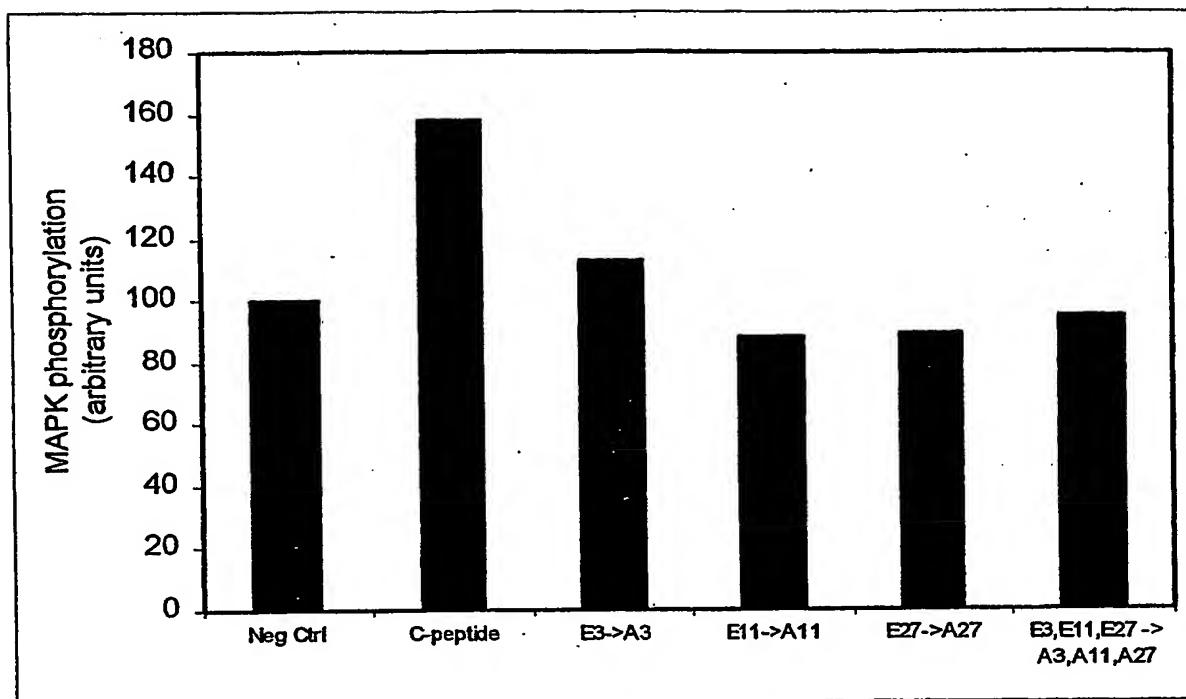
Proinsulin	C-peptide
Ins_Human	EAEDLQVGQVELGGPGAGSLQPLALEGSLQ
Ins_Pantr(Chimpanzee)	EAEDLQVGQVELGGPGAGSLQPLALEGSLQ
Ins_Aotr (Night monkey)	EAEDLQVGQVELGGGSITGSLLPPLLEGPMQ
Ins_Macpa (Crabeatingmacaque)	EAEDPQVGQVELGGPGAGSLQPLALEGSLQ
Ins_Cerab (Green monkey)	EAEDPQVGQVELGGPGAGSLQPLALEGSLQ
Ins_Pig	EAENPQAGAVELGGGLGGLQALALEGPPQ
Ins_Boven	EVEGPQVGCALELAGGPGAGGLEGPPQ
Ins_Horse	EAEDPQVGEVELGGPGGLQPLALAGPQQ
Ins_sheep	EVEGPQVGCALELAGGPGAGGLEGPPQ
Ins_Canpa (dog)	EVEDLQVRDVELAGAPGEGGLQPLALEGALQ
Ins_Rabbit	EVEELQVGQAELEGGPGAGGLQPSALELALQ
Ins1_Rat	EVEDPQYPQLELGGGPEAGDLQTLALEVARQ
Ins2_Rat	EVEDPQVAQLELGGGPAGDLQTLALEVARQ
Ins_Rodsp (rodent sp)	EVEDPQVGQVELGAGPGAGSEQTLALEVARQ
Ins1_mouse	EVEDPQVEQLELGGSPGDLQTLALEVARQ
Ins2_Mouse	EVEDPQVAQLELGGGPAGDLQTLALEVAQQ
Ins_Caypo (guinea pig)	ELEDPQYEQTELGMGLGAGGLQPLALEMALQ
Ins_Crilo	GYEDPQVAQLELGGGPAGDLQTLALEVAQQ
Ins_Psaob	GYDDPQMPQLELGGSPGAGDLRALALEVARQ
Ins_Ocide	ELEDLQVEQAEGLGAGGLQPSALEMILQ
Q62543 (western wild mouse)	GGPGAGDLQTLALEVAQQ
Q62542 (western wild mouse)	GSPGDLQTLALEVARQ
Ins_Anapl (domestic duck)	DVEQPLVNGPLKGEVGPQHEEYQXX

Figure 1
(continued)

Proinsulin	C-peptide
Ins_Chick (chicken)	DVEQPLYSSPLKGEAGYLPPQQEEYEKV
Ins_Selrf (hummingbird)	DAEHPLVNGPLHGEVGDLPPQQEEFEKV
Ins1_Xenla (African clawed frog)	DMEQALVSGPQDNELDGMQLQPQEYQKM
Ins2_Xenla (African clawed frog)	DIEQAQVNGPQDNELDGMQFQPQEYQKM
AAF87285 (Northern leopard frog)	DLEQPLVNGLQGSELDEMQVQSQAFQKK
Ins_Brare (zebrafish)	DVEPLLGFLLPPKSAQETEVADFAPKDHAELIK
Ins_Calmi (elephantfish)	DVGPLSAFRDLEPPLDTEMEDRFPYRQQLAGSKM
Ins_Cypca (common carp)	DVDPPPLGPLPPKSAQETEVADFAFKDHAEVIR
Ins_Loppi (goosefish)	DVDQLLGFLLPPKSGGAAAAGADNEVAEFAFKDQMEMMV
Ins_Ooncke (salmon)	DVDPLIGFLSPKSAKENEEYPFKDQTEMMV
Ins_Oreni	DVDPLLGFLLPPKAGGAVVQGGENEVTFKDQMEMMV
Q91163 (salmon)	DVDPLIGFLSPKSSQENEYAEYPFKDQMDMV
Ins_Vermo	DVDPLLGFLLPAKSGGAAAGGENEVAEFAFKDQMEMMV
Ins_MYXGL	DTGALAAFLPLAYAEDNESQDDESIGINEVLKS

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Figure 2



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Figure 3

